For over 25 years **MASTERCOOL** has been supplying professional quality air conditioning service tools and equipment. As one of the fastest growing companies in the market, our primary goal is to drive new product innovation and technologies to make the every day work of the HVAC/R technician easier! With our never-ending focus on innovation and new technology, Mastercool has been awarded many patents worldwide. Our products are currently being distributed in over 55 countries and growing everyday!

EQX69000

The Mastercool EQX69000 Recovery System is built to the highest industrial standards and is designed for servicing residential and commercial HVAC and automotive equipment. This Recovery System is designed to operate with vapour and/or liquid refrigerant.

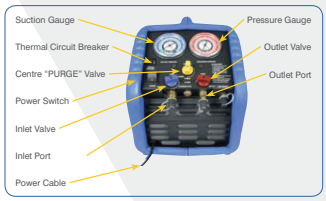
When recovery is complete, changing valve positions to purge recovers the residual refrigerant from the machine. The system is then ready for use on a similar or different type refrigerant. The EQX69000 utilises a 1/2 horsepower (0.37kW) oil-less compressor, full flow ball valve manifold, pressure/liquid regulating valve and high volume airflow for cooler operation.

SPECIFICATIONS

Power source	220-240VAC 50/60 Hz
Power consumption	690W
Ambient operating conditions	0°C (32°F) to 50°C (122°F)
High pressure shut-off	38 bar (550 PSI) manual reset
Low pressure shut-off	-0.4 (14" HG) auto reset
Electrical overload protection	6A thermal circuit breaker
Compressor type	1/2 HP oil-less reciprocating compressor
Control system	Electro mechanical
Discharge pressure gauge	0 to 55 bar (800 PSI)
Suction pressure gauge	-1 to 35 bar (-30 in HG to 500 PSI)
Valves	Full flow ball valves
Filtration	80 mesh screen, cleanable at suction port
Construction	Steel chassis with double wall high density polethylene case
Weight	16.8kg (37lbs)
Dimensions	25.4cm (w) x 43.2cm (l) x 30.5cm (h)
Refrigerants	R12, R22, R134a, R401A/B/C, R402A/B, R404A, R407A/B/C/D, R408A, R409A, R410A, R500, R502, R507A and R509A
Flow Rates	Direct vapour-up to 30kg/hr (66lbs/hr) Direct liquid-up to 84kg/hr (185lbs/hr) Push pull liquid-up to 330kg/hr (726lbs)

FEATURES

- Maintenance free oil-less compressor
- 80 mesh cleanable or easily replaceable suction filter
- Automatic high vacuum shut-off switch
- Purge of unit with simple valve changes
- Built-in suction and pressure gauges
- High pressure shut-off switch (38 bar/550 PSI), with manual reset
- High pressure gauge range of 0 to 55 bar (800 PSI), includes 410A use
- High strength steel frame with strong double wall, high-density polyethylene case
- Built-in rigid carrying handle



TOX99772

SPECIFICATIONS

Pressure display	PSI, INHg, Bar, MPa, kg/cm²
Temperature display	°F or °C
Deep vacuum display	Micron, mBar, KPa, mmHg
Sensing resolution	1 PSI (.07 Bar, .007 MPa, .07kg/cm²)
Sensing accuracy	± 1 PSI or 1% of reading (whichever is greater)
Working pressure	0 to 750 PSI (52 bar, 5 MPa, 52 kg/cm²)
Proof pressure	1000 PSI (70 bar, 7 MPa, 70 kg/cm²) (tolerable pressure w/o internal damage
Refrigerant temperature range	-40 to 200°F (-40 to 93°C)
Operating temperature	32 to 122°F (0 to 45°C)
Temperature accuracy	±1°F (±0.5°C) between 32 to 160°F (0 to 71°C)
Storage temperature	10 to 120°F (12 to 49°C)
Connections	1/2" Acme
Power	9VDC battery with optional AC/DC adapter
Battery life	30-36 hours pressure and temperature mode only (continuous use) 25-30 hours of vacuum and backlight mode (continuous use)
Auto-off	15 mins with disabling capability

Mastercool introduces the most advanced and user friendly Digital Manifold on the market today! This manifold offers a large easy to read LCD that displays pressures, saturated temperatures, actual temperatures, superheat and subcooling temperatures for over 60 refrigerants.

When used with the clamp-on thermocouple connector it will display the actual temperature and automatically calculate the superheat or subcool temperature. When the vacuum sensor cable is attached to the manifold it will display deep vacuum. To ensure lasting performance and durability, the manifold case is constructed of ABS material and protected by a rugged rubber boot. The technician now has a fully functional manifold with the intelligence to quickly access and deliver the accurate information needed to do the job right!

FEATURES

- Heavy duty hook folds back into unit for compact storage
- Reads 61 refrigerants
- Protective rubber boot
- Clamp-on thermocouple connector gives actual temperature reading and automatically calculates subcool temperature
- Battery level indicator
- Aluminum block manifold with double o'ring free floating piston valves
- Rugged ABS case and keypad control
- Thermocouple design sensor for accurate vacuum reading
- Additional clamp-on thermocouple connector port gives actual temperature reading and automatically calculates superheat temperature
- Large, easy to read pressures and saturated temperatures

PART NUMBERS

TOX99772	Complete kit in a blow molded case includes: manifold with a set of 3-72" hoses, vacuum sensor with cable, and clamp-on thermocouple
TOX52336	Clamp-on thermocouple
TOX98062	Vacuum sensor and cable assembly

EQX0610

Automotive 4 Way Charging Station

KEY FEATURES

- Innovative & professional design
- Automatic & programmable operating modes
- Information guide on display
- Ventilated condenser for intensive recovery
- Pressure transducer for recovery & leak check
- Charging modes as per specific A/C systems
- Tank heater for efficient charging
- Hose length compensation during charging
- Automatic emptying of service hoses
- Large memory authorising software updates
- Advanced database for refrigerant & oil charges
- Expandable multi-language coverage
- Optional GPRS module for remote updating
- Large blue back-lit 80 character display
- Large pulse free manometers; class 1
- Secured storage for oil/UV bottles
- Ergonomic storage for service hoses & manuals
- Automatic failure & maintenance warnings
- CE/PED/TUV safety certifications
- SAE J2099 compliancy for refrigerant purity
- SAE J2210 compliancy for servicing R134a systems

FUNCTIONS

- Application **(L)**
- Refrigerant recovery & recycling **(A)**
- Recovery of residual refrigerant **(A)**
- Purging of non-condensable gas **(A, M)**
- Compressor oil draining **(A)**
- System vacuuming **(A, P)**
- Leak check under vacuum **(A)**
- Oil & UV dye recharge **(A, M)**
- Refrigerant recharging **(A)**
- Printing service report **(S)**

(L) Light vehicle function
(A) Automatic function
(M) Manual function
(P) Programmable function
(S) Standard function

SPECIFICATIONS

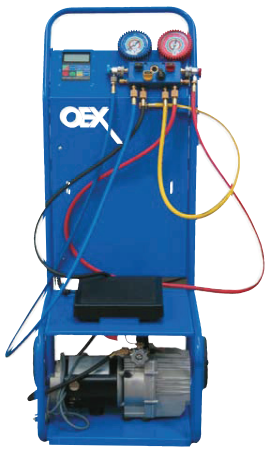
- Size: 1190 x 610 x 640mm
- Weight: 98kg
- Power supply: 230V 50/60Hz
- Maximum operating pressure: 20 bar
- Operating temperature: 5 - 50°C
- CPU memory capacity: 320Kb
- Compressor: Hermetic 12cc
- Vacuum pump: 4.8m3/h - 0.05mb vacuum
- Charging resolution: +/- 5gr
- Charging accuracy: 3% at 5 to 40°C
- Tank operational capacity: 20kg
- Refrigerant: R134a
- Recycling performance: 150kg refrigerant SAE J2099 40gr water absorption at 24°/51°C

JAVAC

EQX1587

OEX Charging Station

- 142LPM vacuum pump
- Rugged light weight steel cart on wheels
- 4 way ball valve manifold controls
- Large 80mm gauges
- Set of 72" (1830mm) hoses
- Charge scale: 110kg
- 12 months warranty



OEX

EQX1586

Electronic Charging Station

- 142LPM vacuum pump
- Rugged light weight steel cart on wheels
- 4 Way ball valve manifold controls
- Large 80mm gauges
- Set of 72" (1830mm) hoses
- No R134A couplers
- Charge scale: 110kg
- 12 months warranty
- Couplers not included

EQX5000

Multi-Refrigerant Recovery Unit

This multi-refrigerant unit is the most cost efficient recovery station within the Robinair range. The quality built EQX5000 is oil-less, user friendly, light weight, durable & features an in-built cooling fan that allows for trouble free use even in high ambient temperatures. The EQX5000 is fitted with an oil separator for automotive use, or can be by-passed for various HVAC applications.

- Voltage: 220V 60Hz
- Recovery Rate:
  Vapour: 0.33
  Liquid: 2.93
- Dimensions: 343 x 229 x 483mm
- Weight: 13.2kg
- Oil-less
- Multi-Refrigerant
- Self evacuation

EQX5000-RR

Minimax Recovery / Recycle Kit

- Includes EQX5000 (full details above)
- Also includes:
  1 x cylinder
  1 x manifold
  1 x filter
  Hoses

EQX69000

Mastercool Recovery 1/2 HP

- Quick recovery even in larger capacity systems
- Built in oil separator for automotive use
- 1/2 HP high performance oil-less compressor
- Multi-refrigerants
- Self purge feature
- High volume cooling fan
- Automatic low pressure cut off switch
- Safety high pressure cut off switch
- Liquid compatible head valve system
- Weight: 16kg
- 12 months warranty

EQX0004

Recovery Cylinder 22kg

OEX

EQX69500

Recycle Module
To suit EQX69000

- Blow moulded carry case
- 4 way ball valve manifold
- Moisture indicator
- Hoses included
- 12 months warranty

EQX69501

Oil Separator
To suit EQX69500

EFX69000

Fan Blade
To suit EQX69000 Recovery Unit

- No. of blades: 5
- Diameter: 175mm
- Thickness: 48mm
- Bore: 13mm "D"
- Material: Plastic

EQX69001

Low Side Gauge
To suit EQX69000

EQX69002

High Side Gauge
To suit EQX69000

EQX5000RM

Add On Recycling Module
To suit EQX5000, EQX5151 & EQX5176

EQXFUSE

Fuse
To suit Minimax

TOX1312

240V Mastercool Vacuum Pump

- 142 LPM (5 CFM)
- 2 stage rotary vane deep vacuum
- 110/900W
- 1/3 HP motor
- Weight: 12kg
- 12 months warranty

TOX1315

240V Mastercool Vacuum Pump

- 170 LPM (6 CFM)
- 2 stage rotary vane deep vacuum
- 1/3 HP motor
- Weight: 12kg
- 12 months warranty

TOX1313

240V Robinair Vacuum Pump

- 180 LPM (6.4 CFM)
- 2 stage
- 3/4 HP motor
- Intake ports: 1/4, 3/8 MFL, 3/8 FFL & 1/2 ACME
- Free air displacement
- Ultimate vacuum: 50 microns
- Motor: 3/4 HP
- Intake ports: 1/4"MFL, 3/8 MFL, 3/8"FFL & 1/2" ACME
- Oil capacity: 250ml
- Power cord length: 1.82mm
- Dimensions: 385 x 123 x 255mm
- Weight: 22.1kg

TOX90062
Vacuum Pump Drive Shaft Coupler
To suit TOX1312

TOX90156
Vacuum Pump Repair Kit
To suit TOX1312

TOX90063
Seal Kit
To suit TOX1312

TOX1315P
Oil Fill & Exhaust Port
To suit TOX1315

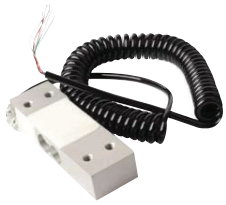
TOX136
Robinair Vacuum Base Plate
To suit 28 LPM Vacuum Pump

TOX2031
Vacuum Pump Adaptor Fitting
- "T" style adaptor screws onto existing 1/4" flare fitting & converts to 1/4" flare & 1/2" acme

TOX117
Robinair Vent Plug
To suit Robinair Vacuum Pump 28 LPM

TOX8200
Battery Operated Electronic Weighing Scales
- 9V battery (included)
- Capable of displaying metric & imperial weights
- LED display
- Check cylinder weight
- Ideal for use with 25kg cylinder
- Accu-charge
- Capacity: 110kg
- 3 hours off function
- Battery life approximately 40 hours
- Platform: 220 x 220mm
- Adjustable levelling feet
- Platform levelling eye
- Blow moulded case
- Weight: 5.4kg
- 12 months warranty

TOX98210
Load Cell
To suit TOX8200 Scales
- New style



TOX98211
Load Cell
To suit TOX8200 Scales
- Old Style

EQX0002
Twin Valve Gas Cylinder
To suit most recycle & recovery units
- R134a
- 22kg capacity
- 1/2" acme fittings
- Manufactured to Australian standards no. AS2470

EQX0004
Recovery Cylinder 22kg

TOX020
R134a Plastic Valve Cap
- 1/2" acme thread
- 2 per pack

TOX026
Cylinder Handles
- Red & blue

TOX450
Replacement Hand Wheels
To suit EQX0002
- Red & blue

TOX99772
Digital Manifold with Thermal Clamps
- The thermo clamps to measure subcool & superheat readings ensuring a correct charge
- Capable of reading 60 different refrigerants
- Protective rubber boot
- Thermo clamps for actual pipe temperature reading
- Large easy to read display
- Fold away hanging hook
- Blow moulded case
- Comes with 72" (1830mm) hoses
- Auto off function for 15 minutes
- No R134a couplers
- 12 months warranty

TOX52235
Digital Air Velocity Metre
- Measures air flow through Evaporators & Condensers
- Will measure duct & ambient temperature from 0 to 50˚C
- Laminated conversion chart
- Will measure CFM's
- Duct temperatures 0 to 50˚C
- Moulded carry case
- 9V battery included
- 12 months warranty

TOX7250
Psychrometer
- Useful for checking evaporator & condenser pipe temperatures
- Test superheat, subcooling & for restrictions
- 4 temperature scan ports
- Minimun & maximun temperature setting for each probe
- Displays temperature difference between 2 probes
- Relative humidity function (probe not included)
- Ambient & duct temperatures
- Battery operated 9V

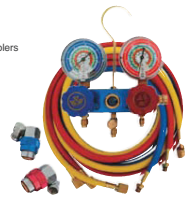
TOX16900
12V Refrigerant Identifier
- A must if you are recycling refrigerant
- Identifies R134a, R12 & R22 refrigerants
- Measures percentage of R134a, R12, R22 & air
- Includes R134a & R12 hose cylinder adapters

Tools & Equipment - Manifold Spare Parts

TOX99772
Digital Manifold with Thermal Clamps
Note: Full details on previous page

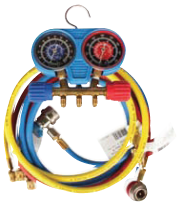
TOX142
Mastercool Deluxe Manifold R134a Gauge Set
- Complete with 72" (1830mm) hoses & couplers
- 4 way manifold
- In plastic carry case
- 80mm gauges included

TOX141
Mastercool Manifold R134a Guage Set
- Complete with 72" (1830mm) hoses & couplers
- 2 way manifold

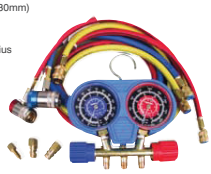


TOX9351
Mastercool Manifold R134a Gauge Set
- Complete with 72" (1830mm) hoses & couplers
- Front wheel valves
- Anti blow back valve

TOX40134A
Robinair R134a Manifold Set
- Complete with 72" (1830mm) hoses & couplers
- Side wheel valves
- Gauge reading in Fahrenheit



TOX112
Robinair R134a Manifold Set
- Complete with 72" (1830mm) hoses & couplers
- Side wheel valves
- Gauge reading in Celsius



TOX001R
Robinair R134a Manifold
- Sturdy construction with sight glass & bleeder valve
- Front wheel valves
- Complete with storage couplers for hoses when not in use
- 1/2" acme threads
- 70mm gauges

Tools & Equipment - Charge Manifolds

TOX52336
K Type Thermo Clamp
To suit TOX99772

TOX0052
Manifold Handwheel Set

TOX9620
Manifold Repair Kit
To suit TIF Gauges

TOX036
Robinair Manifold Stem
- Also To suit Ariazone series recovery & recycle machines

TOX85000
Manifold Repair Kit
To suit TOX141

TOX033
Robinair Manifold Repair Kit

TOX006
Manifold Repair Kit
To suit CPS manifold set
- Applications: TOX025 & TOX001

TOX449
Replacement Hand Wheels
- 1 x low pressure (blue)
- 1 x high pressure (red)

TOX98251
Lens
To suit TOX142
- 1 per pack

Tools & Equipment - Gauges

TOX085
Low Side Gauge
To suit TOX0250
- Blue
- 70mm
- Psi/Bar
- Celsius

TOX086
High Side Gauge
To suit TOX0250
- Red
- 70mm
- Psi/Bar
- Celsius

TOX002M
Low Side Gauge R134a
- Blue
- 80mm
- Psi/Bar
- Celsius

TOX003M
High Side Gauge R134a
- Red
- 80mm
- Psi/Bar
- Celsius

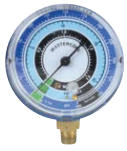
TOX0263
Low Side Gauge R134a
- Blue
- 63mm
- Psi/Bar
- Celsius

TOX0363
High Side Gauge R134a
- Red
- 63mm
- Psi/Bar
- Celsius

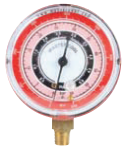
TOX002
Low Side Gauge R134a
- Blue
- 70mm
- Psi/KPA
- Celsius

TOX003
High Side Gauge R134a
- Red
- 70mm
- Psi/KPA
- Celsius

EQX69001
Low Side Gauge
To suit EQX69000



EQX69002
High Side Gauge
To suit EQX69000



Tools & Equipment - Gauge Protectors & R134A Hoses

TOX090
Gauge Protector
To suit 80mm gauge
- Blue

TOX091
Gauge Protector
To suit 80mm gauge
- Red

TOX107
Gauge Protector
To suit 63mm gauge
- Blue

TOX108
Gauge Protector
To suit 63mm gauge
- Red

TOX34390B
R134a Charge Hose
- Length: 390" (10m)
- Blue

TOX34390R
R134a Charge Hose
- Length: 390" (10m)
- Red

TOX34390Y
R134a Charge Hose
- Length: 390" (10m)
- Yellow

TOX34120B
R134 Charge Hose
- Length: 120" (3m)
- Blue

Tools & Equipment - R134A Hoses

TOX34120R
R134 Charge Hose
- Length: 120" (3m)
- Red

TOX34120Y
R134 Charge Hose
- Length: 120" (3m)
- Yellow
- With ball valve

TOX3472B
R134a Charge Hose
- Length: 72" (1830mm)
- Blue

TOX3472R
R134a Charge Hose
- Length: 72" (1830mm)
- Red

TOX3472Y
R134a Charge Hose
- Length: 72" (1830mm)
- Yellow

TOX9573
R134a Hose Set
- Length: 72" (1830mm)
- Yellow with ball valve

TOX3436B
R134a Charge Hose
- Length: 36" (914mm)
- Blue

TOX3436R
R134a Charge Hose
- Length: 36" (914mm)
- Red

Tools & Equipment - R134A Hoses & R12 Hoses

TOX3436Y
R134a Charge Hose
- Length: 36" (914mm)
- Yellow

TOX3472YS
R134a Charge Hose
- Length: 72" (1830mm)
- Anti-blowback valve
- Yellow

TOX02372
R134a Charge Hose
- Length: 72" (1830mm)
- Yellow
- With ball valve

TOX023
R134a Shut Off Valve
- With 100mm yellow hose

TOX1272B
R12 Charge Hose
- Length: 72" (1830mm)
- Blue

TOX1272R
R12 Charge Hose
- Length: 72" (1830mm)
- Red

TOX1272Y
R12 Charge Hose
- Length: 72" (1830mm)
- Yellow

Tools & Equipment - Charge Hose Couplers & Hose Parts

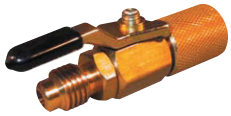
TOX004
R134a Coupler
- High Side

TOX005
R134a Coupler
- Low Side

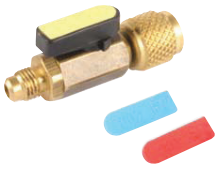
TOX004M
R134a Coupler
- High Side

TOX005M
R134a Coupler
- Low Side

TOX2445
R134a Ball Valve
- 1/2" acme to 1/2"
- Acme R134a ball valve



TOX044
R12 Ball Valve
- 1/4 MF - 1/4 F/M



TOX078
R12 Shut Off Valve
- With 300mm red hose

TOX053
R12 Shut Off Valve
- With ball valve shut off
- 150mm blue hose

Tools & Equipment - Hose Parts

TOX017
3/16" Charge Hose Seal
- Used in R12 charge hose adaptors
- 6 per pack

TOX018
1/4" Valve Depressor
- Used in R12 charge hoses
- 10 per pack

TOX019
1/4" Charge Hose Seal
- Used in R12 & some R134a charge hoses
- 10 per pack

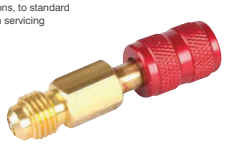
TOX1011
1/2" Acme Charge Hose Seal
- Used in CPS, Robinair & Ariazone R134a charge hose adaptors
- 10 per pack

TOX014
3/16" R12 Charge Hose Adaptor - 90° (Ford XF type)
- Complete with schrader valve
- Used to convert 3/16" high side ports, as used on XF Falcons, to standard 1/4" R12 ports when servicing

TOX015
1/4" R12 Charge Hose Adaptor - 90°
- Complete with schrader valve

TOX7104
Hose Joiner R12
- 1/4" to 1/4"

TOX013
3/16" R12 Charge Hose Adaptor (Straight Ford XF type)
- Complete with schrader valve
- Used to convert 3/16" high side ports, as used on XF Falcons, to standard 1/4" R12 ports when servicing



Tools & Equipment - Leak Detectors

TOX55500
Heated Pentode Electronic & UV Leak Detector
- Six sensitivity levels
- Low battery indicator
- Automatic warm up
- High volume pump
- Reset function
- 215mm probe extention
- Dual-colour visual LED leak size display
- 12 month warranty
- Detects all refrigerants (CFC's, HCFC's, HFC's)
- Blue UV LED light
- Meets & exceeds SAE J1627
- Rechargeable

TOX55200
Inspector Electronic Detector with UV Lamp
- Ultra bright UV/blue LED light
- UV safety glasses
- 6 levels of sensitivity
- Tri-colour visual leak level indicator
- Mute function
- Detects 3g/per year
- Includes custom molded case

TOX790
Electronic Leak Detector R12 & R134a
- Patented low-pump sensor
- Better than 0.25oz/yr 7g/yr leak rate
- 10 high intensity bar graph display
- Lock out mode
- Operating temperature: -18°C to 60°C
- Low battery indicator
- 4 x AA (40 hour battery life)
- Auto off 15 minutes
- 2 year warranty

TOX135
Electronic Leak Detector with Heated Pentode
- Refrigerant specific detection
- Elimination of false alarms
- Unaffected by rapid temperature change
- Sensor cannot be poisoned by excessive refrigerant
- Detects all halogenated refrigerants including RG5410A
- True mechanical pump provides instant response & clearing
- Tri-colour visual leak size indication
- Tactile keypad controls
- Adjustable sensitivity & one touch reset
- Mute feature silences audible alarm
- Sensor status indication
- Battery self test
- 16" flexible stainless probe

TOX791
Leak Detector
- Microprocessor controlled circuit with advanced digital signal processing
- Six segment visual display
- Hi & low levels of sensitivity
- Reset control
- Tactile keypad controls
- Real time sensitivity adjustment
- Variable frequency audible alarm
- Constant power indication
- Certified to SAE J1627
- UL classified for intrinsic safety
- CE approval
- Cordless & portable, operates on 2 x "C" cell batteries (included)
- 14" (35.5cm) flexible, stainless probe
- Spare sensing tip included
- Carrying case included

TOX781
Leak Detector
- Microprocessor controlled circuit with advanced digital signal processing
- Single switch control
- Detects ALL halogenated refrigerants
- Variable frequency audible alarm
- Constant power indication
- Certified to SAE J1627
- UL classified for intrinsic safety
- CE approval
- Cordless & portable, operates on 2 x "C" cell batteries (included)
- 14" (35.5cm) flexible, stainless probe
- Spare sensing tip included
- Carrying case included

Tools & Equipment - Leak Detector Parts

TOX55201
Sensing Tip
To suit TOX55200

TOX55202
Led Bulb
To suit TOX55200

TOX555
Maintenance Kit
To suit TOX5550A & TOX5650A

TOX782
L790 Leak Detector Sensor Cover or Filter
To suit TOX790

TOX0783
L790 Leak Detector Sensor Element
To suit TOX790

TOX204
UV Enhancing Safety Glasses

Tools & Equipment - UV Leak Detectors

RLD2
Flashlight UV Light & Laser Pointer
- 4 modes
- Key chain carabiner for convenience
- Complete with 3 x AAA batteries

K5TOX
Air Conditioning Leak Detection Kit
- Kit contains:
  1 x 12V UV lamp
  1 x dye enhancing glasses
  1 x R134a hose assembly with service coupler
  3 x 30ml syringe of UV dye
- Compatible with all commonly used refrigerants & lubricants
- Will not harm equipment or recovery systems
- No training needed - just follow instructions
- Always accurate in bright sunlight or on windy days

TOX9245
12V UV Lamp
- 50W
- Swivel head
- UV enhancing safety glasses
- Red & black alligator clips for battery connector

TOX213
Flex UV LED Light with Quad UV Head
- Compact 4 LED UV lights
- Flexible shaft
- Comes with 10 shot UV dye applicator
- UV enhancing safety glasses
- 10 UV vehicle labels
- 2 x A613 batteries are included

TOX216
12V UV Lamp Kit
- 50W
- Swivel head
- UV enhancing safety glasses
- Comes with 25 shot UV dye

OGX804
All Purpose Air Conditioning UV Dye
To suit R134a & R12 refrigerants
- 240ml bottle
- For use with mineral, ester based, PAG & Alkyl Benzene oils
- Concentration Ratio: 7.5ml for systems up to 1.3kg

OGX023
Dye Off
Concentrated, biodegradable cleaner to remove fluorescent dye stains in automotive & plant air conditioning systems. Contains no hazardous ingredients according to criteria of Worksafe Australia.

Tools & Equipment - UV Leak Detector Parts & Dye Injectors

TOX211
Replacement Globe
To suit K5TOX
- 12V
- Ultra violet lamp
- Diameter: 50mm

TOX9206
Dye Injector Cylinder
- 25 applications 300ml
- Refillable
- R12 adaptor
- R134A adaptor
- Measuring scale

TOX801
Cartridge Type Universal Dye/Oil Injector
Adding dye with the new TOX801 is fast & easy, simply connect the injector to the low side of the A/C system & twist the handle to the next application line. The replaceable cartridge provides 25 applications of universal dye that is compatible with R12/22/502 & R134a systems. The injector hose comes complete with R134a coupler & auto shut-off valve adaptor for 1/4" flare systems.

TOX807
R134a Dye Injector
- Used to inject dye into R134a systems

TOX6234
Oil Injector
- 240ml (8oz)
- Fitting: 1/2" ACME
- For injection of oil into a system

TOX4375
R134a Oil Injector
- 1/2" acme R134a thread
- O'Ring to suit: ORX072

TOX204
Replacement UV Safety Glasses

Tools & Equipment - Flushing

TOX067
Nitrogen Regulator
- An economical nitrogen regulator ideal for use with flushing kits when using nitrogen as a propellant
- An approved regulator must be used with compressed nitrogen at all times

TOX9024
Flush Gun & Tank
- Capacity: 750ml

TOX9927
Replacement Flush Probe
To suit TOX9024

TOX9928
Replacement Flush Probe Tip
To suit TOX9024

TOX91048
Flush Capturing Unit
- Enables the technician to capture flush

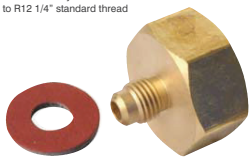
OGX217
Universal Flushing Agent
- 5L
- Replacement for R141B

This is a liquid flush which dissolves gummy oil oxidation products. It is non corrosive and acts effectively as a corrosion inhibitor by protecting bare metal surfaces. This flush is flammable, however maintains a high flash point. It has a wide boiling range & is a fast evaporating solvent which enables it to evaporate quickly in a system once placed under a vacuum.

Tools & Equipment - Adaptors

TOX1544
R134a Gas Cylinder Adaptor
- R134a applications
- Converts 3/4" NPT commonly found on bulk cylinders to R134a 1/2" acme thread

TOX1000
R12 Gas Cylinder Adaptor
- R12 applications
- Converts 3/4" NPT commonly found on bulk cylinders to R12 1/4" standard thread



TOX1545
Gas Cylinder Adaptor Washer
- Replaces washer in TOX1544 gas cylinder adaptor

TOX022
Snap-On Adaptor
- R134a snap-on adaptor to 1/2" acme thread
- Commonly used to extract gas from disposable cylinder through the suction side R134a coupler on manifold set

TOX5422
R12 - R134a Adaptor
- Converts standard R12 1/4" flare to R134a 1/2" acme thread
- O'Ring to suit: ORX071

TOX5435
R134a - R12 Adaptor
- Converts standard R134a 1/2" acme thread to R12 1/4" flare
- O'Ring to suit: ORX071

TOX110
Adaptor
- 1/8"NPT - R12 1/4" with schrader valve
- Commonly used for female pressure switch on receiver driers

TOX021
Adaptor
- 1/8"NPT - R134a 1/2" acme with schrader valve

Tools & Equipment - Temperature & Air Flow

TOX0203
Digital Thermometer
- Electronic type
- Measures temperature in celsius (°C) or fahrenheit (°F) at the touch of a button
- Measures temperatures ranging from -40°C to 50°C (-40°F to 122°F)

TOX52226
Dual Temperature Thermometer with Infrared
- Displays infrared and contact probe at the same time
- Min/max display
- Can display for 1 hour before shut off

TOX52224
Infrared Thermometer with Targeting Laser
- Measures temperatures ranging from: -20°C to 500°C (-4°F to 932°F)

TOX52235
Digital Air Velocity Meter
Note: Full details on page 535

TOX008
Analogue Thermometer
- 1" diameter
- Dial type
- Measures temperatures ranging from -40°C to 70°C

TOX8102
Pocket Digital Thermometer
- Measures temperature in celsius (°C) or fahrenheit (°F) at the touch of a button
- Measures temperatures ranging from -50°C to 150°C

TOX012
Digital Thermometer
- Electronic type
- Measures temperature in celsius (°C) or fahrenheit (°F) at the touch of a button
- Dial size 25mm

TOX051
Thermometer
- Diameter: 35mm
- Dial type
- Measures temperatures ranging from -40°C to 70°C

80T-150UA
Universal Temperature Probe
- Compatible with Fluke DMM
- High accuracy, fast reading for low voltage (below 24VAC, 60VDC)

Tools & Equipment - Psychrometer & Parts

TOX7250
Electronic Thermo-Psychrometer
Ideal for today's high tech automotive air conditioning systems
Especially useful when trying to locate evaporator & condenser problems
- Comes with 2 air & 2 clamp probes as standard
- 4 temperature 'scan'
- Can display both fahrenheit (°F) & celsius (°C) with the touch of a button
- Min/max temperature setting for each probe
- Displays temperature difference between any two probes
- Battery operated

TOX0204
Clamp Surface Probe

TOX179
Relative Humidity Dew Point Probe

TOX180
Air Probe

TOX183
General Purpose Probe

TOX181
Puncture Probe

TOX182
Surface Probe

Tools & Equipment - Multimeters

FLUKE-179
Fluke Digital Multimeter
- Wide 1000V measurement range with true RMS for precise measurement
- Capacitance, resistance, continuity & frequency
- VDC, VAC, ADC, AAC, resistance range and resolution
- Frequency, duty cycle & capacitance audible continuity/diode test
- Min/max to record signal fluctuations
- Built in thermometer & large backlit display
- 10A continuous, 20A for up to 30 seconds
- CAT III 1000V, CAT IV 600V

FLUKE-87-5
Fluke Digital Multimeter
- True RMS for precise measurement with 4 digits
- Frequency, duty cycle & capacitance
- Audible continuity/diode test
- Min/max to record signal fluctuations
- Backlit large display
- VDC, VAC, ADC, AAC, resistance, capacitance readings
- 10A continuous, 20A for up to 30 seconds
- CAT III 1000V

FLUKE 117
Fluke Digital Multimeter
- 6000 count auto ranging display
- True RMS for precise measurement with 4 digits
- Frequency, duty cycle & capacitance
- Audible continuity/diode test
- Volt, temperature, resistance, current
- Backlit large display
- CAT III 600V

FLUKE-83-5
Analogue/Digital Multimeter
- Audible continuity/diode test
- Min/max recording signal fluctuations
- Backlit large display
- Auto hold
- Input alert
- CAT III 1000V, CAT IV 600V

AU92
Amprobe Digital Multimeter
- Measures DC/AC voltage, DC/AC current, resistance, diodes & continuity beeper, duty cycle
- Data hold button retains display data
- Capacitance, frequency & temperature
- Tests engine RPM & dwell
- CAT III 600V AC & DC

35XP-A
Amprobe Digital Multimeter
- 4000 count auto ranging display
- Temperature to 1000°C/1832°F
- 750VAC/1000VDC
- AC/DC current
- Resistance
- Continuity
- Frequency
- Capacitance
- Data hold
- Triple safety rated; CAT I 1000V, CAT II 600V, CAT III 300V

Tools & Equipment - Multimeter & Scan Tool

5XP-A
Amprobe Digital Multimeter
- 27 ranges/10 functions
- Large digit 2000 count display
- 750VAC/1000VDC
- AC/DC current
- Resistance
- Continuity
- Battery test with load
- Min/max & data hold
- Auto power off
- Triple safety rated; CAT I 1000V, CAT II 600V, CAT III 300V

YFX3120
Digital Multimeter
- 3 1/2" digit display
- Polarity indication (automatic polarity "-" display for negative input)
- Overload protection (LCD will show a "1" or "-1" in the left highest digit)
- Auto power off 30 minutes when idle
- AC/DC current 10A
- 10M Ohm impedance
- Diode, transistor, AC/DC voltage and resistance functions

YFX602
Digital Multimeter Pocket Size
- 3 1/2" digit display
- Polarity indication (automatic polarity "-" display for negative input)
- Overload protection (LCD will show a "1" or "-1" in the left highest digit)
- Low battery indication

QM1498
Digitech Multimeter Pen Type
- 7 functions
- 3 3/4" digital LCD
- Diode and audible continuity
- DC voltage 600V
- AC voltage 600V

YFX8030
Digital Clamp Meter
- 3 1/2" digit display
- Polarity indication
- Overload protection
- Low battery indication
- Auto power off when idle
- Auto zero
- Maximum clamp opening 53mm

80T-150UA
Universal Temperature Probe
- Compatible with Fluke DMM
- High accuracy, fast reading for low voltage (below 24VAC, 60VDC)

QP2294
Scan Tool with Display
- Wider vehicle coverage with CAN protocol support
- Turns off check engine light (MIL), erases diagnostic trouble codes (DTCs) & resets OBDII monitor status
- Works with all 1996 models & newer cars & trucks that are OBDII compliant (including CAN)
- Reads & clears generic & manufacturer specific diagnostic trouble codes (DTCs) & turns off check engine light
- Supports multiple trouble code requests: generic codes, pending codes & manufacturer's specific codes
- Retrieves vehicle identification number on 2002 models & newer vehicles that support Mode 9
- Easy-to-read crystal-clear backlit 2-line LCD display
- Stand-alone unit with no need for an additional laptop computer to operator

Tools & Equipment - Electrical Test Lead & Spares

AC285
Sure Grip Alligator Clips
- Multi-purpose tooth pattern grips anything from fine gauge wire to a 3/4" nut
- Nickel-plated steel jaws
- CAT III 1000V, CAT IV 600V, 10A

AC72
Alligator Clips
- Slide on style for test probes
- Jaws open to 8mm
- For use with TL71 & TL75 test lead probe sets
- CAT III 1000V, 10A, CAT IV 600V, 10A

C125
Meter Case
- Zippered carrying case for DMMs or digital thermometers with a detachable pouch for carrying test leads

TL220
Suregrip Industrial Test Lead Set
- AC220 alligator clip set
- TP220 test probe set
- TL222 silicone test lead set right to right angle

TL28A
Automotive Test Lead Set
- Large solid copper alligator clips with 0.5" opening
- Flexible silicone insulated lead are heat & cold resistant
- CAT I 30V, 10A

TL71
Premium DMM Test Lead Set
- Flexible silicone insulated lead are heat & cold resistant
- Distinctive comfort grip probes
- Recommended for UV measurements
- CAT III 1000V, 10A, CAT IV 600V, 10A

TL81A
Deluxe Electronic Test Lead Set
- 22 piece set with quad fold pouch
- Includes mini alligator clips, hooks & pincers for virtually every electronic need
- Slide-on IC probe tip adapter & test lead couplers
- Both modular test leads & lead-probe combinations
- CAT II 300V

AC220
Sure Grip Alligator Clips
- Insulated nickel plated jaws grip objects up to 3/8"
- Blunt tip grabs round screw heads
- CAT III 1000V, CAT IV 600V, 10A

Tools & Equipment - Multimeter Spares

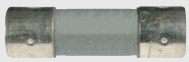
AC87
Heavy Duty Bus Bar Clips
- Plunger style, safety grip operation with insulated right angle jaws
- Adjustable jaws open to grip flat bus bars or round conductors
- CAT III 600V, 5A

AC89
Heavy Duty Insulation Piercing Clip
- Plunger style, safety grip operation with insulated jaws
- Small pin pierces 30 to 14AWG insulated wire
- CAT III 1000V, 5A, CAT IV 600V, 5A

C100
Meter & Accessory Case
- Tough polypropylene case
- Holds any Fluke DMM or digital thermometer & most accessories

C12A
Fluke Soft Case To suit 113-117 models
- Height: 172mm
- Width: 128mm
- Depth: 38mm

Tools & Equipment - Fuses

Part No.	Description	Volt	Amp	Image
YFX08	Fuse To suit YFX3120			
803293	Fuse To suit Fluke Meter Models 27 & 75 Series III	1000V	11A	
830828	Fuse To suit Fluke Meter	600V	1A	
871173	Fuse To suit Fluke Meter	250V	630mA	
871207	Fuse To suit Fluke Meter	600V	1A	
892583	Fuse To suit Fluke Meter	600V	15A	
943121	Fuse To suit Fluke Meter	1000V	440mA	

Tools & Equipment - Filters

5117399
Hydrating Filter

EQX1006
Replacement Filter
To suit EQX4012 & EQX4134
Series 1 Machines
• Recommended replacement time: 50 hours

EQX1008
Replacement Filter
To suit EQX4012 & EQX4134
Series 2 Machines

EQX1300F
Replacement Filter
To suit EQX1300

EQX1600F
Replacement Filter
To suit EQX1001, EQX1600, EQX5002
• Fittings: 1/4" male SAE
• Length: 158mm
• Diameter: 78mm

EQX350F
Replacement Filter
To suit EQX350

EQX5005F
Replacement Filter
To suit EQX5005RM

TOX030
Recycling Filter Drier Core
To suit 17150A, 117151A, 17203, 17301, 17350C, 17355C, 17500B & 17501E

TOX146
In-line Drier
To suit EQX5000-RM, EQX5000-RR, EQX5010 17455A

TOX34724
Robinair Spin-On Filter

Tools & Equipment - Springlock Tools

TOX148
Quick Connect Release
• Suction

TOX149
Quick Connect Release
• Liquid

TOX8710
Springlock Leak Clamp
• Suction

TOX8730
Springlock Leak Clamp
• Liquid

TOX0322
Springlock Coupler Tool Set

TOX407
Springlock Repair Tool
To suit No. 8 Fittings

TOX408
Springlock Repair Tool
To suit No. 10 Fittings

TOX409
Springlock Repair Tool
To suit No. 12 Fittings

Tools & Equipment - Consumables

TOX137
NYLOG Visco-Elastic
• For sealing gaskets/threads or use as assembly lubricant
• Will not clog, restrict or cause any internal system fouling or failure
• Suitable with PAG or POE oils
• 30ml

OGX014
Thread & Leak Lock
• Joint & union sealing compound
• 39ml

TOX75015
Teflon Grease
• 21.25g tube
• Used on bubble crimper to ensure proper crimps are maintained

TOX9000
Service Labels
• Blue
• 100 x 64mm
• Comply with Code of Practice
• Pack of 25

TOX020
R134a Plastic Valve Cap
• 1/2" acme thread
• 2 per pack

TOX3390
Australian Automotive
Air Conditioning Manual

OGX217
Universal Flushing Agent
• 5L
• Replacement for R141B

This is a liquid flush which dissolves gummy oil oxidation products. It is non corrosive and acts effectively as a corrosion inhibitor by protecting bare metal surfaces. This flush is flammable, however maintains a high flash point. It has a wide boiling range & is a fast evaporating solvent which enables it to evaporate quickly in a system once placed under a vacuum.

OGX027
5L Automotive Air Conditioning Flushing Solvent

Suitable for all automotive air conditioning systems. Automotive air conditioning flushing solvent is highly recommended for flushing all internal components. It may also be used to clean external components. This flushing solvent safely removes oil, grease & debris from all contact surfaces without causing any corrosion to alloy components.

TOX71500
Hydra-Krimp
- Light weight hand-held hydraulic krimp
- Complete with dies to suit reduced hose & normal diameter hose
- Comes with moulded case

TOX71501
Die Set Reduced SRB
- No. 6 & No. 8
- Purple

TOX71515
Die Holder SRB
- No. 6 & No. 8
- Purple

TOX71502
Die Set
- No. 8
- Red

TOX71516
Die Holder
- No. 8
- Red

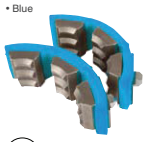
TOX71503
Die Set
- No. 10
- Yellow

TOX71517
Die Holder
- No. 10
- Yellow

TOX71504
Die Set
- No. 12
- Green

TOX71518
Die Holder
- No. 12
- Green

TOX71507
Die Set SRB
- No. 12
- Blue



TOX71521
Die Holder SRB
- No. 12
- Blue

TOX71506
Die Set SRB
- No. 10
- Orange

TOX71520
Die Holder SRB
- No. 10
- Orange

TOX71505
Die Set SRB
- No. 6
- Black

TOX71519
Die Holder SRB
- No. 6
- Black

TOX71508
Hydraulic Assembly
- Replacement parts for TOX71500 Hydra-Krimp

TOX71509
Hydra-Krimp Head

TOX71513
Hydra-Krimp Yoke Pin
- 10mm diameter

TOX71500R/K
Hydra-Krimp Repair Kit

TOX71512
Oil Reservoir
- To suit Hydra-Krimp

TOX71522
Piston Seal
- To suit Hydra-Krimp

TOX71510
Shaft Hydra-Krimp Hydraulic Assembly
- 2 types:
  Type 1: hook shaft
  Type 2: eyelet shaft

TOX3701
Bubble Style Mini Hand Crimper
- Designed for use with beadlock fittings
- Comes complete with No. 6, No. 8, No. 10, No. 12 interchangeable die sets
- Crimps from 6 points for superior seal
- Hand held & bench mount attachments ensure maximum versatility
- Quick change die feature

OEX

TOX71688
Crimp Die Carrier
- No. 6
- 2 per pack

OEX

TOX71689
Crimp Die Carrier
- No. 8
- Blue
- 2 per pack

OEX

TOX71690
Crimp Die Carrier
- No. 10
- Green
- 2 per pack

OEX

TOX71691
Crimp Die Carrier
- No. 12
- Clear
- 2 per pack

OEX

TOX75149
Reinforced Thrust Washer
To suit TOX3700
- Steel collar wrapped around the brass thrust washer for added strength

OEX

TOX91268
Universal Seal Service Tool Set
- Kit includes a huge range of tools in a rugged metal tool box
- An easy to understand instruction manual to help show you step-by-step how to service all the popular compressors

Mastercool Part No.	Description
90383	Internal Snap Ring Pliers
90412	O'Ring Seal Sleeve Remover
90414	Seal Seat Remover
90415	Seal Remover & Installer
90431	York & Tecumseh Oil Dipstick
90432	Chrysler Oil Level Dipstick
90440	5/8" x 2" x 11 NC Clutch Remover
90441	5/8" x 2" x 18 SAE Clutch Remover
90454	Clutch Plate Remover
90458	Clutch Plate Installer
90460	O'Ring Installation Guide
90462	Seal Seat Installer

Mastercool Part No.	Description
90473	Seal Remover
90474	Seal Installer & Plate Alignment
90484	Seal Protector
90486	Ceramic Seal Seat Remover & Installer
90499	Universal Clutch Holding Tool
90902	Clutch Plate Puller
90906	Seal Remover & Installer
90907	Seal Protector Sleeve
90910	Clutch Plate Installer
91047	Tool Box
91052	Clutch Plate Installer
91060	Seal Seat Remover

Mastercool Part No.	Description
91061	Seal Seat Installer
91122	Clutch Plate Remover
91183	A/C Service Manual
91195	Clutch Plate Remover Arbor
91202	O'Ring Installation Guide
91208	Seal Remover & Installer
91211	Shaft Protector
91212	Clutch Plate Remover
91213	Clutch Plate Installer
91214	O'Ring & Snap-Ring Installer
91215	O'Ring Installation Guide

TOX91295
Master Compressor Clutch, Seal & Bearing Tool Set
- Includes all the tools necessary to replace seals, clutches & clutch bearing on Diesel Kiki (Zexel), Hitachi, Mitsubishi, Nippon Denso, Seiko-Seiki, & Sanden (505, 507, 508, 510, 575, 708 & 709)
- Set is packaged in pre-cut foam pockets & inserted into a heavy duty metal tool box
- Includes instruction manual
- Tool Set Contains:
  York Seal Remover & Installer
  Diesel Kiki Clutch Installer
  Pulley Body
  Seal Protector Sleeve
  Metal Tool Box
  Sanden Plate Installer
  Seal Seat Remover
  Sanden 505 Bearing & Pulley Installer
  Mitsubishi Seal Remover & Installer
  Mitsubishi/Sanden Clutch Plate Remover
  Diesel Kiki Seal Seat Remover & Installer
  Air Conditioning Manual
  Compressor Holding Fixture
  Pulley Bearing Remover & Installer
  Universal Clutch Holding Tool
  Clutch Plate Installer
  Diesel Kiki Nut Remover
  Pulley Removal Jaws
  Seal Seat Installer
  Sanden 505 Seal Protector Sleeve
  Diesel Kiki Clutch Puller Thrust Pin
  Diesel Kiki Pulley Puller Pilot
  Universal Feeler Gauge Set
  Hitachi Spanner Plug Remover & Installer
  Diesel Kiki Bearing Drive
  Pulley Arbor
  Seal Remover & Installer
  Nippon Denso Plate Remover
  Diesel Kiki Plate Remover
  Bearing & Pulley Installer
  Sanden 505 Seal Seat Remover
  Mitsubishi Seal Seat Remover
  Diesel Kiki Retainer Ring Installer
  Diesel Kiki Seal Remover & Installer
  Mitsubishi Seal Remover Lock Sleeve

TOX0902
Clutch Hub Remover
To suit Universal Application

TOX1212
Clutch Plate Remover
To suit GM A6, Delphi V5, V7

TOX4111
Compressor Clutch Hub Remover & Installater Kit
- Kit contains:
  5/8" x 11 TPI clutch plate puller disc
  GM DA6 V5 removal & installer nut
  Diesel Kiki GM A6 & R4 removal nut
  Nippon Denso, Ford FS6, Chrysler C171 removal nut
  GM A6, V5 removal adaptor
  GM A6, V5 installer adaptor
  3/8" x 24 TPI GM A6, R4 installer adaptor
  Master arbor (forcing screw)
  3 x 1/4" x 20 TPI tapped hole puller bolts
  8mm metric installer adaptor
  Diesel Kiki deep reach clutch plate removal adaptor

TOX901
Compressor Clutch Hub Remover
To suit Denso

TOX902
Compressor Clutch Hub Installer
To suit Denso

TOX906
Tool Kit
To suit Denso Compressors
- Clutch remover & installer

TOX900
Compressor Clutch Hub Remover
To suit GM A6, R4

TOX3111
Sanden Shaft Seal Remover & Installer
To suit SD7H series

TOX3070
Sanden Shaft Seal Protector
To suit SD7H Series

TOX9101
Sanden Shaft Seal Protector
To suit SDB705 & SDB710 Series

TOX9702
Sanden Seal Remover & Installer

TOX92310
Universal Orifice Tube Service Kit

TOX905
Orifice Tube Remover

TOX032
Valve Core Remover & Installer
- Includes 6 valve cores neatly housed within the body of the valve core remover

TOX405
Valve Core Remover & Installer
- Used when removing valve cores on both R134a & R12 systems
- Standard & hi flow valves

TOX410
Valve Core Remover & Installer
- Allows the replacement of valve cores without evacuating & re-charging the system

TOX9116
Double-Ended Valve Core Remover
- Standard & large

TOX9117
Master Valve Core Remover/Installer Kit

TOX9115
Double-Ended Valve Core Remover
- Standard & large

TOX080
4 Way 45° Ratchet
- 3/16", 1/4", 5/16", 3/8" Hex Ratchet

TOX079
4 Way Straight Ratchet
- 3/16", 1/4", 9/16", 1/2" Hex Ratchet

TOX009
Tube Bender
- Bends 5mm, 8mm & 10mm alloy & copper tubing
- 0° to 180°

TOX907
Freon Hose Cutter
- Will cut most sizes of air conditioning hose

TOX908
Replacement Blade
To suit TOX907

TOX1351
Condenser Fin Comb
- Used to straighten damaged fins on condensers for improved air flow
- Features 6 different fin width settings to accomodate a large variety of condensers (previously TOX90925)

21022
Assorted Power Drive Bits

CPX9000
Service Assortment Kit
To suit Universal Applications
- Kit contains